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ATIS Standard on -

**Operational Standard for the Signature-based Handling of  
Asserted information using toKENS (SHAKEN) Governance Model  
and Certificate Management**



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# Operational Standard for the Signature-based Handling of Asserted information using toKENs (SHAKEN) Governance Model and Certificate Management

Alliance for Telecommunications Industry Solutions

Approved September 18, 2019

## Abstract

This document is intended to provide Next Generation Network (NGN) telephone service providers (SPs) guidance regarding operational concerns for the Signature-Based Handling of Asserted Information Using Tokens (SHAKEN) governance model and certificate management procedures to ensure the completion of legitimate calls and the mitigation of illegitimate spoofing of telephone identities. This document will facilitate interoperability between and within NGN SPs by addressing the operational concerns for the signature-based handling of asserted information using tokens, i.e., SHAKEN governance model and certificate management procedures.

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## Foreword

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The Alliance for Telecommunications Industry Solutions (ATIS) serves the public through improved understanding between carriers, customers, and manufacturers. The Next Generation Interconnection Interoperability Forum (NGIIF) addresses next generation network interconnection and interoperability topics associated with emerging technologies. Specifically, it develops operational procedures that involve the network aspects of architecture, disaster preparedness, installation, maintenance, management, reliability, routing, security, and testing between network operators. In addition, the NGIIF addresses issues that impact the interconnection of existing and next generation networks and facilitate the transition to emerging technologies.

The mandatory requirements are designated by the word *shall* and recommendations by the word *should*. Where both a mandatory requirement and a recommendation are specified for the same criterion, the recommendation represents a goal currently identifiable as having distinct compatibility or performance advantages. The word *may* denotes a optional capability that could augment the standard. The standard is fully functional without the incorporation of this optional capability.

Suggestions for improvement of this document are welcome. They should be sent to the Alliance for Telecommunications Industry Solutions, NGIIF, 1200 G Street NW, Suite 500, Washington, DC 20005.

At the time of consensus on this document, NGIIF, which was responsible for its development, had the following leadership:

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